Name of work: Desilting and resetting of drain and Re asphalting to MEI Layout New Extension Main Roads and Cross Roads in ward No:14 Bagalagunte

Pre measurement recorded on:

Sl No	Description of Item	No	Length	Breadth	Depth	Qty	Unit
1	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.						
	MEI Layout						
	For CC Drain						
	10 TH Main MEI Layout						
	LHS	1	30.00	1.10	1.00	33.00	
		1	30.00	1.10	1.00	33.00	
		1	30.00	1.10	1.00	33.00	
		1	16.60	1.10	1.00	18.26	
		1	5.00	1.10	1.00	5.50	
	RHS	1	11.20	1.10	1.00	12.32	
		1	30.00	1.10	1.00	33.00	
		1	30.00	1.10	1.00	33.00	
		1	30.00	1.10	1.00	33.00	
		1	4.60	1.10	1.00	5.06	
	Cross Road RHS						
	LHS	1	30.00	1.10	1.00	33.00	
		1	30.00	1.10	1.00	33.00	
		1	22.00	1.10	1.00	24.20	
	Deduct Culverts	-2	4.80	1.10	1.00	-10.56	
	RHS	1	30.00	1.10	1.00	33.00	
		1	30.00	1.10	1.00	33.00	
		1	22.00	1.10	1.00	24.20	
	Cross Road LHS						
	RHS	1	28.00	1.10	1.00	30.80	
	For desilting of drain						
	Police station Road	1	30.00	0.50	0.25	3.75	
		1	30.00	0.50	0.30	4.50	
		1	17.00	0.50	0.35	2.98	
	Zonal office Beside Road	1	30.00	0.90	0.30	8.10	
		1	30.00	0.90	0.30	8.10	
		1	30.00	0.90	0.35	9.45	
		1	5.00	0.90	0.35	1.58	
					Total Quantity	**478.23**	**Cum**
					Payable Quantity	**478.11**	**Cum**

01/3/23

Assistant Engineer
Ward NO-14
BBMP Bangalore

24/3/23

Assistant Executive Engineer
Dasara halli Sub division
BBMP Bangalore

Name of work; Desilting and resetting of drain and Re asphalting to MEI Layout New Extension Main Roads and Cross Roads in ward No;14 Bagalagunte

	Pre measurement recorded on						
m o	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Providing and laying in position plain cement concrete of mix1:4:8 with OPC cement @ 180kgs. with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregtes @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick well compacted, in foundation and plinth including cost of all materials, labour, HOM of machinery, curing complete as per specifications						
	MEI Layout						
	For CC Drain						
	10 TH Main MEI Layout						
	LHS	1	30.00	1.10	0.15	4.95	
		1	30.00	1.10	0.15	4.95	
		1	30.00	1.10	0.15	4.95	
		1	16.60	1.10	0.15	2.74	
		1	5.00	1.10	0.15	0.83	
	RHS	1	11.20	1.10	0.15	1.85	
		1	30.00	1.10	0.15	4.95	
		1	30.00	1.10	0.15	4.95	
		1	30.00	1.10	0.15	4.95	
		1	4.60	1.10	0.15	0.76	
	Cross Road RHS						
	LHS	1	30.00	1.10	0.15	4.95	
		1	30.00	1.10	0.15	4.95	
		1	22.00	1.10	0.15	3.63	
	Deduct Culverts	-2	4.80	1.10	0.15	-1.58	
	RHS	1	30.00	1.10	0.15	4.95	
		1	30.00	1.10	0.15	4.95	
		1	22.00	1.10	0.15	3.63	
	Cross Road LHS						
	RHS	1	28.00	1.10	0.15	4.62	
				Total Quantity		65.97	**Cum**
				Payable Quantity		**65.14**	**Cum**

Assistant Engineer
Ward NO-14
BBMP Bangalore

Assistant Executive Engineer
Dasara halli Sub division
BBMP Bangalore

Name of work; Desilting and resetting of drain and Re asphalting to MEI Layout New Extension Main Roads and Cross Roads in ward No;14 Bagalagunte

Item No	Pre measurement recorded on: / Discription of Item	No	Length	Breadth	Depth	Qty	Unit
3	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications.						
	MEI Layout						
	For CC Drain Raft						
	10 TH Main MEI Layout						
	LHS	2	30.00		0.15	9.00	
		2	30.00		0.15	9.00	
		2	30.00		0.15	9.00	
		2	16.60		0.15	4.98	
	RHS	2	11.20		0.15	3.36	
		2	30.00		0.15	9.00	
		2	30.00		0.15	9.00	
		2	30.00		0.15	9.00	
		2	4.60		0.15	1.38	
	Cross Road -2 RHS						
	LHS	2	30.00		0.15	9.00	
		2	30.00		0.15	9.00	
		2	22.00		0.15	6.60	
	Deduct Culverts	-4	4.80		0.15	-2.88	
	RHS	2	30.00		0.15	9.00	
		2	30.00		0.15	9.00	
		2	22.00		0.15	6.60	
	Cross Road -1 LHS						
	RHS	2	28.00		0.15	8.40	
	For CC Drain wall						
	10 TH Main MEI Layout						
	LHS	4	30.00		0.60	72.00	
		4	30.00		0.60	72.00	
		4	30.00		0.60	72.00	
		4	16.60		0.60	39.84	
	RHS	4	11.20		0.60	26.88	
		4	30.00		0.60	72.00	
		4	30.00		0.60	72.00	
		4	30.00		0.60	72.00	
		4	4.60		0.60	11.04	
	Cross Road -2 RHS						

Assistant Executive Engineer
T. Dasarahalli Sub Division
Bagalagunte, BBMP
Bangalore-560073

LHS	4	30.00		0.60	72.00	
	4	30.00		0.60	72.00	
	4	22.00		0.60	52.80	
Deduct Culverts	-8	4.80		0.60	-23.04	
RHS	4	30.00		0.60	72.00	
	4	30.00		0.60	72.00	
	4	22.00		0.60	52.80	
Cross Road -1 LHS						
RHS	4	28.00		0.60	67.20	
			Total Quantity		**1065.96**	**Sqm**
			Payable Quantity		**1065.96**	**Sqm**

Assistant Engineer
Ward NO-14
BBMP Bangalore

Asst. Executive Engineer,
Dasara halli Sub division
BBMP Bangalore

Name of work; Desilting and resetting of drain and Re asphalting to MEI Layout New Extension Main Roads and Cross Roads in ward No;14 Bagalagunte

Pre measurement recorded on:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
4	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6						
	MEI Layout						
	For CC Drain Raft						
	10 TH Main MEI Layout						
	LHS	1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	16.60	0.90	0.15	2.24	
		1	5.00	0.90	0.15	0.68	
	RHS	1	11.20	0.90	0.15	1.51	
		1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	4.60	0.90	0.15	0.62	
	Cross Road -2 RHS						
	LHS	1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	22.00	0.90	0.15	2.97	
	Deduct Culverts	-2	4.80	0.90	0.15	-1.30	
	RHS	1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	22.00	0.90	0.15	2.97	
	Cross Road -1 LHS						
	RHS	1	28.00	0.90	0.15	3.78	
	For CC Drain Side wall						
	10 TH Main MEI Layout						
	LHS	2	14.80	0.15	0.60	2.66	
		1	18.00	0.15	0.60	1.62	
		1	18.00	0.15	0.80	2.16	

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31/07/2023

Assistant Executive Engineer
T. Dasarahalli Sub Division
Bagalagunte, BBMP
Bangalore-560073

	2	30.00	0.15	0.60	5.40	
	2	30.00	0.15	0.60	5.40	
	2	13.80	0.15	0.60	2.48	
	2	5.00	0.15	0.60	0.90	
RHS	2	11.20	0.15	0.60	2.02	
	2	30.00	0.15	0.60	5.40	
	2	24.85	0.15	0.60	4.47	
	2	13.00	0.15	0.30	1.17	
	2	26.90	0.15	0.60	4.84	
For Ramps						
	1	5.50	0.60	0.15	0.50	
	1	12.00	0.50	0.15	0.90	
	1	13.00	0.45	0.15	0.88	
	1	5.00	0.45	0.15	0.34	
	1	4.50	0.50	0.15	0.34	
	1	4.50	0.45	0.15	0.30	
	1	7.00	0.45	0.15	0.47	
For Ramps						
	1	3.50	0.70	0.15	0.37	
	1	9.00	0.70	0.15	0.95	
	1	8.30	0.60	0.15	0.75	
Cross Road -2 RHS						
LHS	2	30.00	0.15	0.60	5.40	
	2	30.00	0.15	0.60	5.40	
	2	22.00	0.15	0.60	3.96	
Deduct Culverts	-4	4.80	0.15	0.60	-1.73	
RHS	2	30.00	0.15	0.60	5.40	
	2	30.00	0.15	0.60	5.40	
	2	22.00	0.15	0.60	3.96	
Cross Road -1 LHS						
RHS	2	28.00	0.15	0.60	5.04	
Beside Zonal office	1	30.00	0.20	0.15	0.90	
	1	30.00	0.20	0.15	0.90	
	1	4.00	0.20	0.15	0.12	
			Total Quantity		133.04	**Cum**
			Payable Quantity		**132.93**	**Cum**

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31/07/2023

Assistant Engineer
Ward NO-14
BBMP Bangalore
13/7/23 to 31/7/23

Asst. Executive Engineer,
Dasara halli Sub division
BBMP Bangalore
31/07/2023

BHURAT BENGALURU MAHANAGAR PALIKE

DASARAHALLI DIVISION

Name of work; Desilting and resetting of drain and Re asphalting to MEI Layout New Extension Main Roads and Cross Roads in ward No;14 Bagalagunte

Pre-Measurement Sheet

Premeasurement Recorded on;

First and Fnal

5 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications

Sl no	Dia of Bar in mm	Side	Spacing of Bar	Nos	Length of Bar in mtr	Total Length of Bar in mtr	Type of Bar	Standard Weight per Meter in kgs	Weight of Steel in kgs	Unit
				For Drain						
				MEI Layout						
				10 thCross LHS						
1	10	1	150mm/CC	11	111.50	1226.5	Distribut	0.62	760.43	
2	10	1	150mm C/c	1045	2.2	2299.0	Main Bar	0.62	1425.38	
				10th Cross RHS						
1	10	1	150mm/CC	11	105.80	1163.8	Distribut	0.62	721.56	
2	10	1	150mm C/c	985	2.2	2167.0	Main Bar	0.62	1343.54	
			Cross Road 2(RHS) LHS							
1	10	1	150mm/CC	11	72.40	796.4	Distribut	0.62	493.77	
2	10	1	150mm C/c	724	2.2	1592.8	Main Bar	0.62	987.54	
				RHS						
1	10	1	150mm/CC	11	82.00	902.0	Distribut	0.62	559.24	
2	10	1	150mm C/c	820	2.2	1804.0	Main Bar	0.62	1118.48	
			Cross Road 1 LHS							
				RHS						
1	10	1	150mm/CC	11	28.00	308.0	Distribut	0.62	190.96	
2	10	1	150mm C/c	280	2.2	616.0	Main Bar	0.62	381.92	
								Total Quantity of Steel in Kg's	**7982.81**	Kgs
								Total Quantity of Steel in Tonne's	7.98	Tonnes
								Payable Quantity	**7.98**	Tonnes

Asst Engineer
Ward No;14
06/12/23
to
28/12/23

Assistant Executive Engineer
Dasarahalli Sub Division
28/08/23

Name of work; Desilting and resetting of drain and Re asphalting to MEI Layout New Extension Main Roads and Cross Roads in ward No;14 Bagalagunte

Item No	Pre measurement recorded on: / Discription of Item	No	Length	Breadth	Depth	Qty	Unit
6	**Providing and and fixing Precast Concrete slab 10 CM thick witth all lead and lift as per specification**						
	MEI Layout						
	For CC Drain						
	10 TH Main MEI Layout						
	From Police Statiom Road						
	LHS	1	14.80	0.90		13.32	
		1	9.85	0.90		8.87	
		1	19.30	0.90		17.37	
		1	19.80	0.90		17.82	
	Cross Road (LHS)						
	RHS	1	28.00	0.90		25.20	
	10 TH Main MEI Layout						
	RHS	1	11.50	0.90		10.35	
		1	8.50	0.90		7.65	
		1	8.50	0.90		7.65	
		1	26.50	0.90		23.85	
	Cross Road 2						
	LHS	1	2.50	0.90		2.25	
		1	5.40	0.90		4.86	
	RHS	1	9.30	0.90		8.37	
		1	6.80	0.90		6.12	
		1	5.80	0.90		5.22	
		1	18.35	0.90		16.52	

Assistant Executive Engineer
T. Dasarahalli Sub Division
Bagalagunte, BBMP
Bangalore-560073

	1	7.35	0.90		6.62	
Police station Road	1	77.00	0.90		69.30	
Beside Zonal office	85	1.50	0.60		76.50	
	4	1.20	0.60		2.88	
	19	0.60	0.90		10.26	
					340.97	
			Payable Quantity		340.89	

Assistant Engineer
Ward NO: 14
BBMP Bangalore

Asst. Executive Engineer
Dasara Halli Sub division
BBMP Bangalore

Name of work; Desilting and resetting of drain and Re asphalting to MEI Layout New Extension Main Roads and Cross Roads in ward No;14 Bagalagunte

	Pre measurement recorded on:						
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
7	Transportation & disposing off the excavated earth obtained from side drains and high burns an either side of the road 2 km lead						
	Quantity as Item no 1 + EIRL-2	478.11+8.19				486.30	
				Total Quantity		486.30	Cum
				Payable Quantity		**486.30**	**Cum**

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Assistant Engineer
Ward NO-14
BBMP Bangalore

29/9/17

Assistant Executive Engineer
Dasara halli Sub division
BBMP Bangalore

Name of work; Desilting and resetting of drain and Re asphalting to MEI Layout New Extension Main Roads and Cross Roads in ward No;14 Bagalagunte

Item No	Pre measurement recorded on: / Discription of Item	No	Length	Breadth	Depth	Qty	Unit
RL-1	**Removing and Resetting of Footpath slab(Approved data Rate)**						
	10 th cross						
	LHS	1	8.60	0.90		7.74	
		1	27.40	0.90		24.66	
		1	8.15	0.90		7.34	
	RHS	1	19.50	0.90		17.55	
		1	18.35	0.90		16.52	
		1	13.00	0.90		11.70	
	Cross Road LHS	1	9.80	0.90		8.82	
		1	30.30	0.90		27.27	
		1	13.30	0.90		11.97	
	RHS	1	2.40	0.90		2.16	
		1	3.70	0.90		3.33	
		1	27.30	0.90		24.57	
		1	1.80	0.90		1.62	
				Payable Quantity		**165.24**	**Sqm**

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03/8/23 to 29/9/23

Assistant Engineer
Ward NO-14
BBMP Bangalore

Asst. Executive Engineer,
Dasara halli Sub division
BBMP Bangalore

Name of work; Desilting and resetting of drain and Re asphalting to MEI Layout New Extension Main Roads and Cross Roads in ward No;14 Bagalagunte

	Pre measurement recorded on:						
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
EIRL-2	Demolishing Cement concrete manually by mechanical means including disposal of material to the appropriate disposal area as per direction of Engineer incharge						
	10 th cross						
	Beside Zonal office	1	30.00	1.50	0.10	4.50	
		1	24.60	1.50	0.10	3.69	
				Payable Quantity		**8.19**	Cum

24/7/23

Assistant Engineer
Ward NO-14
BBMP Bangalore

Asst. Executive Engineer,
Dasara halli Sub division
BBMP Bangalore